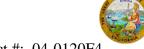
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

WELDING INSPECTION REPORT

Resident Engineer: Pursell, Gary **Report No:** WIR-001514 Address: 333 Burma Road **Date Inspected:** 20-Feb-2008

City: Oakland, CA 94607

OSM Arrival Time: 600 **Project Name:** SAS Superstructure **OSM Departure Time:** 1530 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name: Cui Yi Ru **CWI Present:** Yes No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A N/A **Electrode to specification:** Yes No Weld Procedures Followed: Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes No N/A **Approved Drawings:** Yes No **Approved WPS:** Yes No N/A **Delayed / Cancelled:**

34-0006 **Bridge No: Component:** OBG

Summary of Items Observed:

Caltrans Quality Assurance (QA) Inspector Tim McClendon arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island, in Shanghai, China to periodically monitor welding and Quality Control (QC) functions. While on site the QA Inspector observed and/or discovered the following.

Caltrans Quality Assurance (QA) Inspector Tim McClendon observed ZPMC performing magnetic particle testing (MT) on all areas of all floor beams that were excavated by grinding not exceeding 2mm beyond base metal, transverse crack indication remains in all but thirty-seven (37) weld areas. Caltrans QA also performed magnetic particle testing of such areas. There is concurrence by both QC and QA that the transverse cracks have been removed, but there is one area where there is a small area of weld slag remaining in the base material. This indication was not reported by QC as being rejected because transverse crack indication had been removed however slag indication remains in base metal. At the request of the OBG Island ASMR the QA Inspector has created an updated tracking log that records the status of the floor beam transverse crack repairs.

Summary of Conversations:

No relevant conversations spoken on this date.

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

Inspected By: McClendon, Timothy Quality Assurance Inspector **Reviewed By:** Cuellar,Robert QA Reviewer